TRANSACTIONS OF THE AMERICAN MATHEMATICAL SOCIETY

CONTENTS

Vol. 355, No. 1 Whole No. 812 January 2003

J. Migliore and R. M. Miró-Roig, On the minimal free resolution of $n+1$ general forms 1

Shigeharu Takayama, Iitaka's fibrations via multiplier ideals 37

Laura Costa and Giorgio Ottaviani, Nondegenerate multidimensional matrices and instanton bundles 49

Renling Jin, Inverse problem for upper asymptotic density 57

Renling Jin and H. Jerome Keisler, Abelian groups with layered tiles and the sumset phenomenon 79

Nikolai A. Krylov, On the Jacobi group and the mapping class group of $S^3 \times S^3$ 99

Moulay-Tahar Benameur, A higher Lefschetz formula for flat bundles ... 119

Emil J. Straube and Marcel K. Sucheston, Levi foliations in pseudoconvex boundaries and vector fields that commute approximately with $\bar{\partial}$ 143

A. N. Dranishnikov, On hypersphericity of manifolds with finite asymptotic dimension 155

Miguel A. Javaloyes Victoria and Miguel A. Meroño Bayo, Biharmonic lifts by means of pseudo-Riemannian submersions in dimension three 169

Aris Daniilidis, Pando Georgiev, and Jean-Paul Penot, Integration of multivalued operators and cyclic submonotonicity 177

Jerome A. Goldstein and Qi S. Zhang, Linear parabolic equations with strong singular potentials 197

Luca Rondi, Uniqueness for the determination of sound-soft defects in an inhomogeneous planar medium by acoustic boundary measurements ... 213

Michael G. Crandall and Jianying Zhang, Another way to say harmonic 241

Mu-Tao Wang, On graphic Bernstein type results in higher codimension ... 265

Svetlana Roudenko, Matrix-weighted Besov spaces 273

Xavier Tolsa, The space H^1 for nondoubling measures in terms of a grand maximal operator 315

Yoshimichi Ueda, Fullness, Connes' χ-groups, and ultra-products of amalgamated free products over Cartan subalgebras 349

Richard F. Bass and Edwin A. Perkins, Degenerate stochastic differential equations with Hölder continuous coefficients and super-Markov chains 373

Harald Biller, Proper actions on cohomology manifolds 407

Vol. 355, No. 2 Whole No. 813 February 2003

Bina Bhattacharyya, Group actions on graphs related to Krishnan-Sunder subfactors 433

Allan M. Sinclair and Roger R. Smith, The Laplacian MASA in a free group factor 465

Jan Malý, David Swanson, and William P. Ziemer, The co-area formula for Sobolev mappings 477

A. L. Dontchev, A. S. Lewis, and R. T. Rockafellar, The radius of metric regularity 493

Walter D. Neumann and Paul Norbury, The Orevkov invariant of an affine plane curve 519

Anita Buckley and Marina Zompatori, Linear systems of plane curves with a composite number of base points of equal multiplicity 539

Michael Nakamaye, Base loci of linear series are numerically determined 551

Tetsuya Takahashi, Formulas for tamely ramified supercuspidal characters of GL_3 567

Brian Harbourne, Sandeep Holay, and Stephanie Fitchett, Resolutions of ideals of quasiuniform fat point subschemes of $\mathbf{P}^2$ 593

Irena Peeva, Hyperplane arrangements and linear strands in resolutions ... 609

Ian M. Aberbach and Florian Enescu, Test ideals and base change problems in tight closure theory 619

Cai Heng Li and Cheryl E. Praeger, On partitioning the orbitals of a transitive permutation group 637

Oliver C. Schnürer, A generalized Minkowski problem with Dirichlet boundary condition 655

Cristian Rios, The L^p Dirichlet problem and nondivergence harmonic measure 665

Hong-Quan Li and Noël Lohoue, Estimations L^p des solutions de l'équation des ondes sur certaines variétés coniques 689

E. C. Zeeman and M. L. Zeeman, From local to global behavior in competitive Lotka-Volterra systems 713

C. A. Morales, Axiom A flows with a transverse torus 735

Karsten Matthies and Arnd Scheel, Exponential averaging for Hamiltonian evolution equations 747

Mohammed Guediri, On the nonexistence of closed timelike geodesics in flat Lorentz 2-step nilmanifolds 775

Petra Bonfert-Taylor and Edward C. Taylor, Quasiconformal groups, Patterson-Sullivan theory, and local analysis of limit sets 787

D. Alpay, T. Constantinescu, A. Dijksma, and J. Rovnyak, Notes on interpolation in the generalized Schur class. II. Nudel′man's problem ... 813

Jonathan Arazy and Miroslav Engliš, Analytic models for commuting operator tuples on bounded symmetric domains 837

Vol. 355, No. 3 Whole No. 814 March 2003

Tokio Matsuyama, Asymptotics for the nonlinear dissipative wave equation 865

Andrea Pascucci, Hölder regularity for a Kolmogorov equation 901

Pengfei Guan, Jeff Viaclovsky, and Guofang Wang, Some properties of the Schouten tensor and applications to conformal geometry 925

Pedro Ontaneda, The double of a hyperbolic manifold and non-positively curved exotic PL structures 935

Robert C. Dalang and T. Mountford, Non-independence of excursions of the Brownian sheet and of additive Brownian motion 967

Eric Mortenson, Supercongruences between truncated ${}_2F_1$ hypergeometric functions and their Gaussian analogs 987

Anurag K. Singh, Cyclic covers of rings with rational singularities 1009

Izuru Mori, Homological properties of balanced Cohen-Macaulay algebras 1025

Q.-S. Wu and J. J. Zhang, Noetherian PI Hopf algebras are Gorenstein ... 1043

Karel Dekimpe and Kyung Bai Lee, Expanding maps on infra-nilmanifolds of homogeneous type 1067

Erhard Neher and Yoji Yoshii, Derivations and invariant forms of Jordan and alternative tori 1079

W. R. Madych, Limits of interpolatory processes 1109

Kathryn Hare and Fulvio Ricci, Maximal functions with polynomial densities in lacunary directions 1135

Dashan Fan, Kanghui Guo, and Yibiao Pan, Singular integrals with rough kernels along real-analytic submanifolds in $\mathbf{R}^3$ 1145

Amos Nevo and P. K. Ratnakumar, Spherical maximal operator on symmetric spaces of constant curvature 1167

Gavril Farkas and Angela Gibney, The Mori cones of moduli spaces of pointed curves of small genus 1183

Boris Baeumer, On the inversion of the convolution and Laplace transform 1201

Neil Hindman, Imre Leader, and Dona Strauss, Infinite partition regular matrices: Solutions in central sets 1213

Christopher McCord, Kenneth R. Meyer, and Daniel Offin, Are Hamiltonian flows geodesic flows? 1237

Marek Jarnicki and Peter Pflug, An extension theorem for separately holomorphic functions with pluripolar singularities 1251

E. G. Kwon, Hyperbolic mean growth of bounded holomorphic functions in the ball 1269

Ilya Kapovich, Erratum to "Subgroup properties of fully residually free groups" 1295

Vol. 355, No. 4 **Whole No. 815** **April 2003**

Anna L. Mazzucato, Besov-Morrey spaces: Function space theory and applications to non-linear PDE 1297
Martin Dindoš, Existence and uniqueness for a semilinear elliptic problem on Lipschitz domains in Riemannian manifolds II 1365
Ka-Sing Lau and Hui Rao, On one-dimensional self-similar tilings and pq-tiles 1401
Emmanuel Montini, On the capacity of sets of divergence associated with the spherical partial integral operator 1415
G. Cassinelli and E. De Vito, Square-integrability modulo a subgroup 1443
E. Kaniuth, A. T. Lau, and G. Schlichting, Lebesgue type decomposition of subspaces of Fourier-Stieltjes algebras 1467
S. G. Dani, Some two-step and three-step nilpotent Lie groups with small automorphism groups 1491
Heng Huat Chan, Kok Seng Chua, and Patrick Solé, Quadratic iterations to π associated with elliptic functions to the cubic and septic base 1505
Scott Ahlgren and Matthew Papanikolas, Higher Weierstrass points on $X_0(p)$ 1521
Emilio Bujalance, F. J. Cirre, and Marston Conder, On extendability of group actions on compact Riemann surfaces 1537
Daniel Grieser, Local geometry of singular real analytic surfaces 1559
Evgeny A. Poletsky, Approximation of plurisubharmonic functions by multipole Green functions 1579
Jie Du and Brian Parshall, Monomial bases for q-Schur algebras 1593
David P. Blecher and Louis E. Labuschagne, Logmodularity and isometries of operator algebras 1621
Manuel Blickle, The D–module structure of $R[F]$–modules 1647
Scott Jeremy Baldridge, Seiberg-Witten invariants, orbifolds, and circle actions 1669
Gianluca Bande, Couples contacto-symplectiques 1699
Zhongmin Shen, Projectively flat Finsler metrics of constant flag curvature 1713

Vol. 355, No. 5 **Whole No. 816** **May 2003**

Carmi Merimovich, Extender-based Radin forcing 1729
Maria Evelina Rossi, Ngô Viêt Trung, and Giuseppe Valla, Castelnuovo-Mumford regularity and extended degree 1773
Michael Fuchs, On a problem of W. J. LeVeque concerning metric diophantine approximation 1787
Jaehyun Ahn, Sunghan Bae, and Hwanyup Jung, Cyclotomic units and Stickelberger ideals of global function fields 1803

Christina Birkenhake and Hannes Wilhelm, Humbert surfaces and the Kummer plane 1819
Young-Hoon Kiem, The stringy E-function of the moduli space of rank 2 bundles over a Riemann surface of genus 3 1843
Leon Takhtajan and Peter Zograf, Hyperbolic 2-spheres with conical singularities, accessory parameters and Kähler metrics on $\mathcal{M}_{0,n}$ 1857
Patrick Brosnan, Steenrod operations in Chow theory 1869
Pekka Koskela and Jani Onninen, Mappings of finite distortion: The sharp modulus of continuity 1905
Josip Globevnik, Holomorphic extensions from open families of circles ... 1921
Lei Ni, Yuguang Shi, and Luen-Fai Tam, Ricci flatness of asymptotically locally Euclidean metrics 1933
Marius Mitrea and Michael Taylor, Potential theory on Lipschitz domains in Riemannian manifolds: The case of Dini metric tensors ... 1961
Antonio Siconolfi, Metric character of Hamilton–Jacobi equations 1987
M. J. Slupinski, Functorial Hodge identities and quantization 2011
Detlef Müller and Marco M. Peloso, Non-solvability for a class of left-invariant second-order differential operators on the Heisenberg group 2047
Alexander Grigor'yan, Jiaxin Hu, and Ka-Sing Lau, Heat kernels on metric measure spaces and an application to semilinear elliptic equations 2065
Robert Beals, Charles R. Leedham-Green, Alice C. Niemeyer, Cheryl E. Praeger, and Ákos Seress, A black-box group algorithm for recognizing finite symmetric and alternating groups, I 2097
James T. Campbell, Roger L. Jones, Karin Reinhold, and Máté Wierdl, Oscillation and variation for singular integrals in higher dimensions 2115
Marc P. Thomas, Local power series quotients of commutative Banach and Fréchet algebras 2139

Vol. 355, No. 6 **Whole No. 817** **June 2003**

Gideon Maschler, Central Kähler metrics 2161
Andrew D. Hwang and Gideon Maschler, Central Kähler metrics with non-constant central curvature 2183
K. S. Ryu and M. K. Im, On a measure in Wiener space and applications 2205
Matthew Neal and Bernard Russo, Contractive projections and operator spaces 2223
Philippe Biane, Frederick Goodman, and Alexandru Nica, Non-crossing cumulants of type B 2263
Ada Chan, Chris Godsil, and Akihiro Munemasa, Four-weight spin models and Jones pairs 2305

Marian F. Anton, An elementary invariant problem and general linear group cohomology restricted to the diagonal subgroup 2327
Masaharu Morimoto, Induction theorems of surgery obstruction groups 2341
Wai Kiu Chan and Byeong-Kweon Oh, Finiteness theorems for positive definite n-regular quadratic forms 2385
George E. Andrews, Bruce C. Berndt, Jaebum Sohn, Ae Ja Yee, and Alexandru Zaharescu, On Ramanujan's continued fraction for $(q^2;q^3)_\infty/(q;q^3)_\infty$ 2397
Margit Rösler, A positive radial product formula for the Dunkl kernel ... 2413
Mark L. Agranovsky and Eric Todd Quinto, Stationary sets for the wave equation in crystallographic domains 2439
Andrew Comech and Scipio Cuccagna, On L^p continuity of singular Fourier integral operators 2453
Cristian E. Gutiérrez and David Hartenstine, Regularity of weak solutions to the Monge–Ampère equation 2477
Shoji Yokura, On Ginzburg's bivariant Chern classes 2501
Leovigildo Alonso Tarrío, Ana Jeremías López, and María José Souto Salorio, Construction of t-structures and equivalences of derived categories 2523
Emma D'Aniello and T. H. Steele, A C^1 function for which the ω-limit points are not contained in the closure of the periodic points 2545
Gregery T. Buzzard, Tame sets, dominating maps, and complex tori 2557
Filippo Bracci, Fixed points of commuting holomorphic mappings other than the Wolff point 2569

Vol. 355, No. 7 **Whole No. 818** **July 2003**

Borislav Karaivanov, Pencho Petrushev, and Robert C. Sharpley, Algorithms for nonlinear piecewise polynomial approximation: Theoretical aspects 2585
Jörg Brendle, The almost-disjointness number may have countable cofinality 2633
Alina Carmen Cojocaru, Cyclicity of CM elliptic curves modulo p 2651
Tonghai Yang, Taylor expansion of an Eisenstein series 2663
Eric Freeman, Systems of diagonal Diophantine inequalities 2675
Francisco Javier Gallego and Bangere P. Purnaprajna, On the canonical rings of covers of surfaces of minimal degree 2715
H. H. Brungs and N. I. Dubrovin, A classification and examples of rank one chain domains 2733
Donald W. Barnes, On the spectral sequence constructors of Guichardet and Stefan 2755
Steven Lillywhite, Formality in an equivariant setting 2771
Neil Hindman, Dona Strauss, and Yevhen Zelenyuk, Large rectangular semigroups in Stone-Čech compactifications 2795

Takehiko Yamanouchi, Galois groups of quantum group actions and regularity of fixed-point algebras 2813
Boo Rim Choe, Hyungwoon Koo, and Wayne Smith, Composition operators acting on holomorphic Sobolev spaces 2829
B. Jakubczyk and M. Zhitomirskii, Distributions of corank 1 and their characteristic vector fields 2857
E. Boeckx, When are the tangent sphere bundles of a Riemannian manifold reducible? 2885
Henri Comman, Criteria for large deviations 2905
Seung Jun Chang, Jae Gil Choi, and David Skoug, Integration by parts formulas involving generalized Fourier-Feynman transforms on function space 2925
Michiko Yuri, Thermodynamic formalism for countable to one Markov systems 2949
D. G. De Figueiredo and Y. H. Ding, Strongly indefinite functionals and multiple solutions of elliptic systems 2973
F. Rousset, Stability of small amplitude boundary layers for mixed hyperbolic-parabolic systems 2991

Vol. 355, No. 8 **Whole No. 819** **August 2003**

Robert Lauter and Sergiu Moroianu, Homology of pseudodifferential operators on manifolds with fibered cusps 3009
Yijun Hu and Tzong-Yow Lee, Moderate deviation principles for trajectories of sums of independent Banach space valued random variables 3047
Yanick Heurteaux, Weierstrass functions with random phases 3065
Stéphane Louboutin, Explicit lower bounds for residues at $s = 1$ of Dedekind zeta functions and relative class numbers of CM-fields 3079
Sophie Huczynska and Stephen D. Cohen, Primitive free cubics with specified norm and trace 3099
David Wright and Wenhua Zhao, D-log and formal flow for analytic isomorphisms of n-space 3117
Nobuo Hara and Ken-ichi Yoshida, A generalization of tight closure and multiplier ideals 3143
Jian Kong, Seshadri constants on Jacobian of curves 3175
Rajesh S. Kulkarni, On the Clifford algebra of a binary form 3181
Jaya N. Iyer, Projective normality of abelian varieties 3209
V. Braungardt and D. Kotschick, Clustering of critical points in Lefschetz fibrations and the symplectic Szpiro inequality 3217
Christian Wolf, On measures of maximal and full dimension for polynomial automorphisms of $\mathbb{C}^2$ 3227
Mark Pollicott, Hausdorff dimension and asymptotic cycles 3241
Marius Dadarlat and Erik Guentner, Constructions preserving Hilbert space uniform embeddability of discrete groups 3253

Jaroslav Tišer, Vitali covering theorem in Hilbert space 3277
George B. Seligman, On idempotents in reduced enveloping algebras 3291
Hartmut Logemann, Richard Rebarber, and Stuart Townley, Stability of infinite-dimensional sampled-data systems 3301
Deguang Han, Approximations for Gabor and wavelet frames 3329
Tommaso Pacini, Mean curvature flow, orbits, moment maps 3343
Alexandru D. Ionescu, Singular integrals on symmetric spaces, II 3359
Sergey Antonyan, West's problem on equivariant hyperspaces and Banach-Mazur compacta 3379
Giuseppe de Donno and Alessandro Oliaro, Local solvability and hypoellipticity for semilinear anisotropic partial differential equations 3405

Vol. 355, No. 9 **Whole No. 820** **September 2003**

Heinz H. Bauschke, Frank Deutsch, Hein Hundal, and Sung-Ho Park, Accelerating the convergence of the method of alternating projections 3433
Sunghan Bae, Ernst-Ulrich Gekeler, Pyung-Lyun Kang, and Linsheng Yin, Anderson's double complex and gamma monomials for rational function fields 3463
Lucia Caporaso, Remarks about uniform boundedness of rational points over function fields 3475
Thomas Keilen, Irreducibility of equisingular families of curves 3485
L. Brandolini, A. Iosevich, and G. Travaglini, Planar convex bodies, Fourier transform, lattice points, and irregularities of distribution 3513
Shangbin Cui and Avner Friedman, A free boundary problem for a singular system of differential equations: An application to a model of tumor growth 3537
José García-Cuerva, José Manuel Marco, and Javier Parcet, Sharp Fourier type and cotype with respect to compact semisimple Lie groups 3591
J. Rosický and W. Tholen, Left-determined model categories and universal homotopy theories 3611
Christian Henriksen, The combinatorial rigidity conjecture is false for cubic polynomials 3625
Leo T. Butler, Zero entropy, non-integrable geodesic flows and a non-commutative rotation vector 3641
Carlos Sancho de Salas, Complete homogeneous varieties: Structure and classification 365i
Neil O'Connell, A path-transformation for random walks and the Robinson-Schensted correspondence 3669
Takae Tsuji, On the Iwasawa λ-invariants of real abelian fields 3699
Xiaoxiang Jiao and Jiagui Peng, Pseudo-holomorphic curves in complex Grassmann manifolds 3715

Vassilis G. Papanicolaou, The periodic Euler-Bernoulli equation 3727
Francisco Jesús Castro-Jiménez and Nobuki Takayama, Singularities of the hypergeometric system associated with a monomial curve 3761
Jason P. Bell and Stanley N. Burris, Asymptotics for logical limit laws: When the growth of the components is in an RT class 3777
Michael E. Hoffman, Combinatorics of rooted trees and Hopf algebras ... 3795
Mahuya Datta, Connections with prescribed first Pontrjagin form 3813
Toru Ohmoto, Osamu Saeki, and Kazuhiro Sakuma, Self-intersection class for singularities and its application to fold maps 3825
A. Ülger, Erratum to "Arens regularity of the algebra $A \hat{\otimes} B$" 3839
Nguyễn H. V. Hưng, Erratum to "Spherical classes and the algebraic transfer" 3841

Vol. 355, No. 10 **Whole No. 821** **October 2003**

Anand Pillay and Thomas Scanlon, Meromorphic groups 3843
Mike Boyle and Danrun Huang, Poset block equivalence of integral matrices 3861
A. I. Aptekarev, A. Branquinho, and W. Van Assche, Multiple orthogonal polynomials for classical weights 3887
Sara C. Billey and Gregory S. Warrington, Maximal singular loci of Schubert varieties in $SL(n)/B$ 3915
J. Scott Carter, Daniel Jelsovsky, Seiichi Kamada, Laurel Langford, and Masahico Saito, Quandle cohomology and state-sum invariants of knotted curves and surfaces 3947
Gwénaël Massuyeau, Spin Borromean surgeries 3991
Robert S. Strichartz, Fractafolds based on the Sierpinski gasket and their spectra 4019
Francesco Zucconi, Generalized hyperelliptic surfaces 4045
M. E. H. Ismail and D. Stanton, Tribasic integrals and identities of Rogers-Ramanujan type 4061
Yoonweon Lee, Burghelea-Friedlander-Kappeler's gluing formula for the zeta-determinant and its applications to the adiabatic decompositions of the zeta-determinant and the analytic torsion 4093
Mitsuru Uchiyama, Inverse functions of polynomials and orthogonal polynomials as operator monotone functions 4111
Jie-Hua Mai, The structure of equicontinuous maps 4125
Jorge Jimenez-Urroz and Tonghai Yang, Heegner zeros of theta functions 4137
Jeremy L. Martin, Geometry of graph varieties 4151
Robert Marsh, Markus Reineke, and Andrei Zelevinsky, Generalized associahedra via quiver representations 4171
Jae Choon Cha, Fibred knots and twisted Alexander invariants 4187
Howard Jacobowitz and Gerardo Mendoza, Sub-bundles of the complexified tangent bundle 4201

Juris Steprāns, The autohomeomorphism group of the Čech-Stone compactification of the integers 4223
Tristram de Piro and Byunghan Kim, The geometry of 1-based minimal types 4241
Antonio Siconolfi, Errata to "Metric character of Hamilton–Jacobi equations" 4265

Vol. 355, No. 11 Whole No. 822 November 2003

E. Hrushovski and M. Itai, On model complete differential fields 4267
Joseph L. Gerver, On cubic lacunary Fourier series 4297
Gaven J. Martin and Volker Mayer, Rigidity in holomorphic and quasiregular dynamics 4349
David Eisenbud, Sorin Popescu, and Sergey Yuzvinsky, Hyperplane arrangement cohomology and monomials in the exterior algebra 4365
Benson Farb and John Franks, Group actions on one-manifolds, II: Extensions of Hölder's Theorem 4385
David Eisenbud, Gunnar Fløystad, and Frank-Olaf Schreyer, Sheaf cohomology and free resolutions over exterior algebras 4397
Nobuaki Yagita, Examples for the mod p motivic cohomology of classifying spaces 4427
David Eisenbud and Jerzy Weyman, Fitting's Lemma for $\mathbb{Z}/2$-graded modules 4451
Jerald J. Kovacic, The differential Galois theory of strongly normal extensions 4475
F. Cabello Sánchez, J. M. F. Castillo, N. J. Kalton, and D. T. Yost, Twisted sums with $C(K)$ spaces 4523
Hui Li, Semi-free Hamiltonian circle actions on 6-dimensional symplectic manifolds 4543
Jeremy Clark, A constructive Schwarz reflection principle 4569
S. Halverscheid and A. Iannuzzi, Maximal complexifications of certain homogeneous Riemannian manifolds 4581
Sylvain Maillot, Open 3-manifolds whose fundamental groups have infinite center, and a torus theorem for 3-orbifolds 4595
George E. Andrews, Li Guo, William Keigher, and Ken Ono, Baxter algebras and Hopf algebras 4639
Clemens Fuchs, Attila Pethő, and Robert F. Tichy, On the Diophantine equation $G_n(x) = G_m(P(x))$: Higher-order recurrences ... 4657
Maria Tjani, Compact composition operators on Besov spaces 4683

Vol. 355, No. 12 Whole No. 823 December 2003

Frank Betten, Causal compactification of compactly causal spaces 4699

Milla Anttila, Keith Ball, and Irini Perissinaki, The central limit problem for convex bodies 4723
Yi Hu, A compactification of open varieties 4737
Baisheng Yan, A Baire's category method for the Dirichlet problem of quasiregular mappings 4755
Peter Borwein and Kevin G. Hare, Non-trivial quadratic approximations to zero of a family of cubic Pisot numbers 4767
Lizabeth V. Rachele, Uniqueness of the density in an inverse problem for isotropic elastodynamics 4781
John R. Stembridge, A local characterization of simply-laced crystals ... 4807
Michael Eisermann, A geometric characterization of Vassiliev invariants 4825
Marc-Oliver Otto, Tight surfaces in three-dimensional compact Euclidean space forms 4847
Greg Martin, The limiting curve of Jarník's polygons 4865
C. Murolo, D. J. A. Trotman, and A. A. Du Plessis, Stratified transversality by isotopy 4881
Flaminio Flamini, Families of nodal curves on projective threefolds and their regularity via postulation of nodes 4901
Stephanie B. Alexander and Richard L. Bishop, Spines and topology of thin Riemannian manifolds 4933
Dimitrios I. Dais and Martin Henk, On the equations defining toric l.c.i.-singularities 4955
David M. Bradley, A pair of difference differential equations of Euler-Cauchy type 4985
Rabi N. Bhattacharya, Larry Chen, Scott Dobson, Ronald B. Guenther, Chris Orum, Mina Ossiander, Enrique Thomann, and Edward C. Waymire, Majorizing kernels and stochastic cascades with applications to incompressible Navier-Stokes equations 5003
Frank Morgan, Regularity of isoperimetric hypersurfaces in Riemannian manifolds 5041
Kenley Jung, The free entropy dimension of hyperfinite von Neumann algebras 5053
A. Giambruno and M. Zaicev, Codimension growth and minimal superalgebras 5091
Manuel Gutiérrez, Francisco J. Palomo, and Alfonso Romero, Erratum to "A Berger-Green type inequality for compact Lorentzian manifolds" 5119